



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Science

# BES Early Career Network

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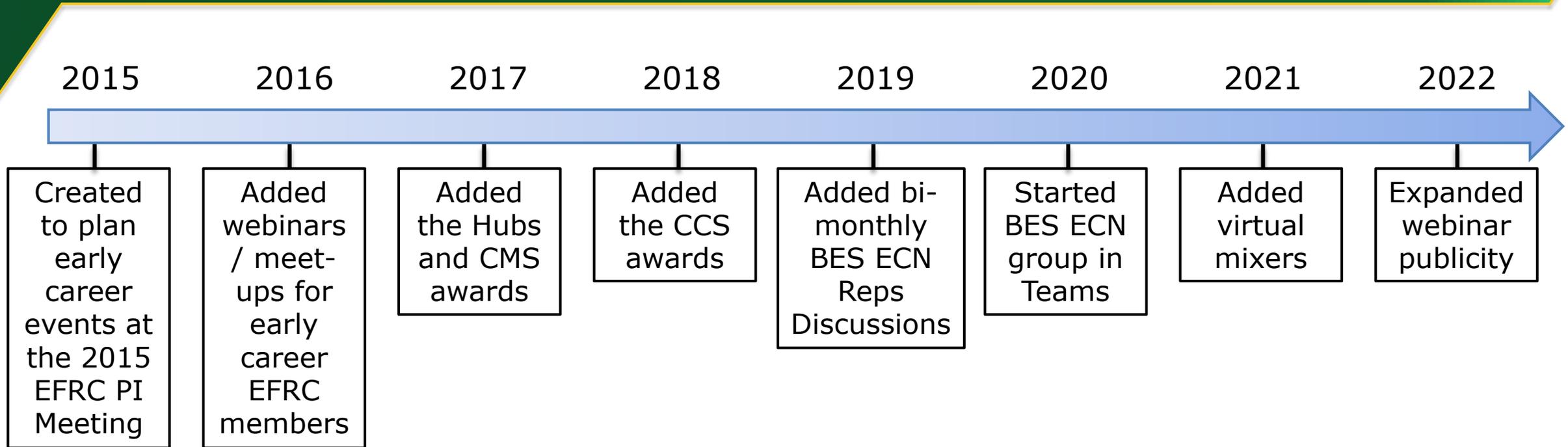
BESAC Meeting

July 14, 2022

Robin Hayes

BES Program Manager

# A Brief History of the BES Early Career Network (BES ECN)

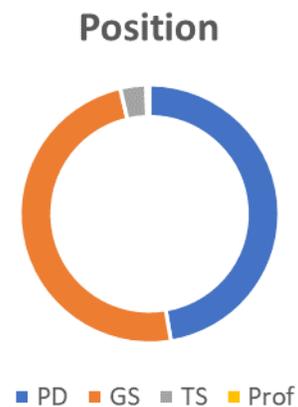
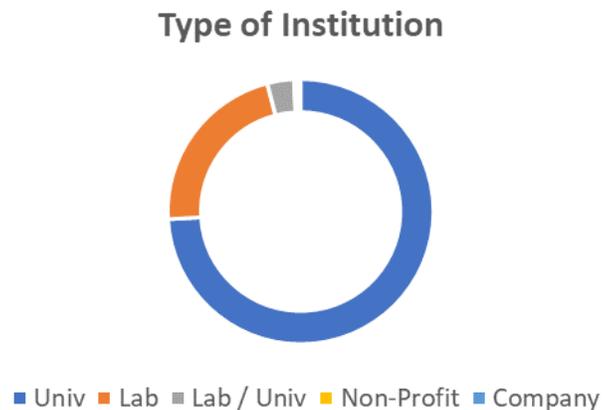


**PURPOSE:** To share best practices between centers, provide workforce development opportunities, and create a network of early career scientists with a passion for energy science.



# Who are the members?

- ▶ **WHO:** Graduate students, postdoctoral researchers, and early career scientists from current [Energy Frontier Research Centers \(EFRC\)](#), [Hubs \(BES Energy Innovation Hubs\)](#), [Computational Materials Sciences Awards \(CMS\)](#), and [Computational Chemical Sciences Awards \(CCS\)](#). Centers may appoint one representative to the planning group.
- ▶ **CURRENT:** The group represents over 1,600 students, postdocs, and early career scientists at universities, national laboratories, and industry.
- ▶ **REPRESENTATIVES:** There have been 247 BES ECN Representatives from 78 institutions in 30 states + DC.



BES ECN Reps who attended the 2019 EFRC PI Meeting

# PI Meeting Events

## Panels and Workshops

Careers, Diversity, Budget Process, Communication, Industry, Science Policy, Elevator Pitch and Science Speed Dating



Elevator Pitch Practice



Lunch Panel

## About

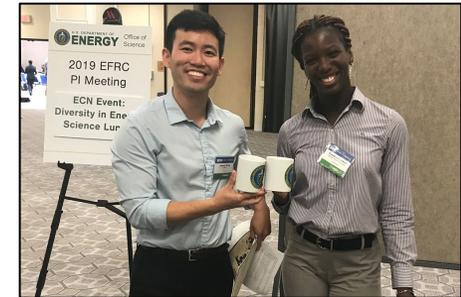
- PI meetings every two years
- Events organized by BES ECN Reps

## Social Events

Baseball Game, Dinner, Trivia Night, Museum Excursion, Classical Concert, Diversity in Energy Science Lunch



Networking Lunch with Trivia



Museum



Baseball Game

# Webinars

## About

- 2-4 per year – Topics selected by BES ECN Reps
- Organized by BES ECN Reps
- Option to record and post video
- Originally just for BES ECN members, but now open to the public

## Webinars

Grant Writing (annual), Careers, Interviews, DEI, Science Communication, Start-ups, Elevator Pitch, DOE User Facilities, Collaborative Technologies, R&D Budget



The 2021 *Diving into Diversity, Equity and Inclusion: From Understanding to Action in STEM* webinar was rebroadcast by MRS with an additional panel Q&A.



Grant writing webinars, moderated by BES ECN Reps, are the most popular events. In 2022, there were over 3,000 RSVP's and nearly 2,000 attendees.

# Virtual and In-Person Meet-ups

## About

- Organized by BES ECN Rep Meet-up Committee
- Originally in-person at national meetings, but extended to Zoom and GatherTown
- May include current or alumni BES ECN members



**Meet-ups at National Meetings**  
ACS, APS, ECS, MRS



GatherTown trivia room used for mixers



# BES ECN Reps Discussions

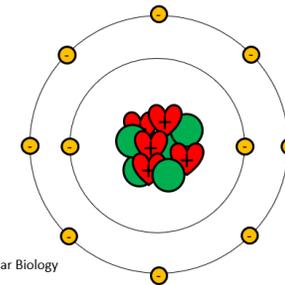
## About

- Five a year – Topics decided by BES ECN Reps
- Led by BES ECN Reps
- No external speakers or participants
- Presentation and notes shared on Teams (when available)

## Past Topics:

- Career (3x)
- DEI (3x)
- Early Career Engagement
- Mental Health / Work-Life Balance (3x)
- Mentoring (3x)
- Networking
- Outreach
- Science Communication
- Team Science (3x)

## Mental Health Strategy: The Resilient STEM Atom



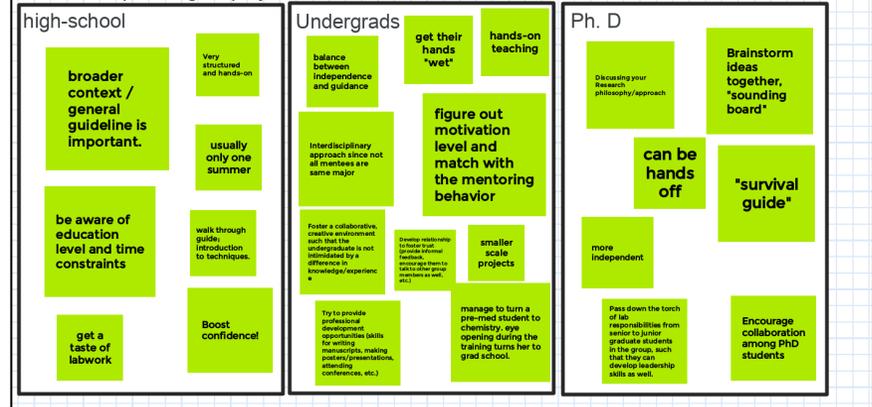
Lynnicia Massenbarg, M.S. (she/her)  
Ph.D. Candidate, Dr. Nixon lab  
Sloan Scholar  
Department of Biochemistry and Molecular Biology  
Pennsylvania State University

### Non-traditional mentoring

How do you tailor expectations and opportunities for students at different levels?

How to scope/design a project for a mentee?

Double click the sticky note to add your idea!



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# BES ECN Website

## Overview

Mission, summary of activities, and links to the EFRC, Hub, CMS, and CCS programs.

## Representatives

Name, institution, and center (w/link to website) for all active Reps (not email addresses).

## Events

Past and future events. Open to the public to allow cross-posting w/ other organizations.

The screenshot shows the website [energyfrontier.us/ecn-events](https://www.energyfrontier.us/ecn-events). The navigation bar includes links for Home, Newsletter, Meetings, Contests, **BES ECN** (circled in yellow), Search, and For EFRC Members. A yellow arrow points from the text on the right to the BES ECN link. The main content area features a search form with the following fields:

- Events**: Slides and videos from past events, when released by the speakers, are available by entering an earlier "Starting on or after" date and clicking on the event.
- Starting on or after**: Input field with "Monday, July 11, 2022" and example "E.g., Monday, July 11, 2022".
- Ending on or before**: Empty input field with example "E.g., Monday, July 11, 2022".
- Sponsor**: Empty input field.
- Type**: Radio button options: Career, Communication, Diversity in Energy Science, Grant Writing, Meet-up, Networking, Other.
- Title**: Empty input field.
- Event Details**: Empty input field.
- Apply**: Blue button.

On the right side, there is an "Upcoming Events" section with the following details:

- Upcoming Events**: Tue, 07/12/2022 - 12:00 to 13:00 CDT
- Launching Your Career After Graduate School Webinar**
- [https://www.zoomgov.com/webinar/register/WN\\_YLu0Ew4MQLqpbhvAyHw4A](https://www.zoomgov.com/webinar/register/WN_YLu0Ew4MQLqpbhvAyHw4A)
- [More](#)

Recordings and slides of past events posted on events page if available

# Forms of Communication

## [BES Early Career Network GovDelivery list](#)

- Announcements relevant to the BES ECN community
- **Anyone, including the public, can sign up using the link:**  
[https://public.govdelivery.com/accounts/USD OEOS/subscriber/new?topic\\_id=USD OEOS\\_72](https://public.govdelivery.com/accounts/USD OEOS/subscriber/new?topic_id=USD OEOS_72)

## [DOE BES - Early Career Network \(ECN\) LinkedIn Group](#)

- Open to any current or alumni member of a BES Center
- Run by BES ECN Reps

## **Cross-post Early Career Related Events with Other Organizations**

- MRS Early Career Professionals Subcommittee
- Office of Science Graduate Research Program (SCGSR) participants

## **Microsoft Teams: BES Early Career Network (BES ECN)**

- Only available to current BES ECN Representatives



- 33 Editions since May 2011
- 316 articles including 8 introductions, 99 themes, 26 interviews, and 183 highlights
- 80 EFRCs highlighted
- 154 early career authors from 55 EFRCs

